

Zebra® Z4000

THERMAL TRANSFER AND
DIRECT THERMAL DEMAND PRINTER

Introducing the Z4000

The Z4000™ is the easy-to-use, cost-effective printer that adapts to your changing application needs. The printer's intuitive design makes operation easy for both the novice and the experienced user, while the Z4000's array of optional features makes it ideal for a broad range of print-on-demand labeling applications.

Ease-of-use

Color-coded operator "cues" and an internal supply loading diagram allow for easy set-up and adjustments—no need for extensive operator training. Once loaded, the Z4000 automatically adjusts to the label length, and the clear media window makes it simple to check supply levels during operation. In addition, the printhead pivots wide-open for easy cleaning, and printheads can be replaced without tools.

Modularity

Since the Z4000 can be easily re-configured, you buy only the features your current application requires, with the assurance that the printer will also accommodate your future business needs. Additional options can be added as you need them, either factory- or field-installed.

Cost-effective performance

The Z4000 is designed to be economical, without sacrificing exceptional performance. Enhanced ZPL II® firmware and a 32-bit RISC microprocessor allow for rapid label processing and print speeds of up to 10 inches per second (254mm/sec.). In addition, Zebra's E3® print element control technology ensures sharp, scannable images—even at high speeds.

Durability

While the printer weighs a mere 25 lbs, it still provides the superior strength and reliability you require. Sturdy die-cast aluminum protects critical electronic components and provides precision alignment for the supplies spindles and printhead mechanism, ensuring unflinching performance and printing accuracy.

For more information

For additional details on all Zebra® printers, supplies, software, and accessories, call your Zebra representative or visit our website at: <http://www.zebra.com>.



- Operate and maintain your printer with little or no training.
- Format and print more high-quality labels in less time with enhanced ZPL II firmware and a 32-bit RISC microprocessor.
- Purchase only the features you need today, without limiting future upgrade opportunities.
- Connect to any common PC or host computer via serial and parallel ports, easily integrate with existing networks, and operate with other Zebra printers through ZPL II.

Industry/application overview

- Asset tracking
- Document management
- Inventory control
- Shipping/receiving
- Ticketing
- Work in process



When it's on the line.™

Z4000™ Specifications*

STANDARD FEATURES

PRINT SPECIFICATIONS

- Print Method/s** Thermal transfer or direct thermal
- Resolution** 203dpi (8 dots/mm)
300dpi (11.8 dots/mm) optional
- Max. Width** 4.1" (104mm)
- Max. Speed** 10.0"/sec. (254mm/sec.)
6.0"/sec. (152mm/sec)
with optional 300dpi
- Max. Length** with 203dpi
 - Standard Memory 37.0" (940mm)
 - Optional Memory 39.0" (980mm)
- Max. Length** with optional 300dpi
 - Standard Memory 16.0" (406mm)
 - Optional Memory 39.0" (980mm)

PHYSICAL CHARACTERISTICS

- Depth** 18.28" (464mm)
- Width** 10.27" (261mm)
- Construction** Die-cast aluminum frame
- Height** 11.47" (291mm)
- Weight** 24.5 lbs. (11.12kg)

RELATED FEATURES

- 1MB standard RAM
- 32-bit RISC microprocessor
- Zebra's E3® Printhead Energy Control
- Windows™-based driver

ZPLII® PROGRAMMING LANGUAGE

- Universal language for Zebra® printers. Makes label formatting and modification simple. Allows compatibility with other Zebra printers.

OPERATING CHARACTERISTICS

ENVIRONMENT

- Operation Temp.** 40°F (5°C) to 105°F (40°C)
- Operation Humidity** 20-85% non-condensing
- Storage Temp.** -40°F (-40°C) to 140°F (60°C)
- Storage Humidity** 5-85% non-condensing

ELECTRICAL

- Auto-detectable 90-265 VAC; 48-62 Hz; 5A fused

COMMUNICATION INTERFACE CAPABILITIES

- RS-232/422/485 serial port
- IEEE 1284 bi-directional parallel port

AGENCY APPROVALS

- Complies with CISPR 22B, IEC 950, 801-2, -3, and -4 standards, FCC Class B and Canadian doc. Class A. Carries UL mark (UL1950) and CE mark of compliance.

MEDIA CHARACTERISTICS

MEDIA SPECIFICATIONS

- Width** 1.0" (25.4mm) to 4.5" (114mm)
- Max. Length** with 203dpi
 - Standard Memory 37.0" (940mm)
 - Optional Memory 39.0" (990.6mm)
- Max. Length** with optional 300dpi
 - Standard Memory 16.0" (406mm)
 - Optional Memory 39.0" (990.6mm)
- Max. Roll** Diameter 8.0" (203mm) O.D.
- Core Size** 3.0" (76mm) I.D.
- Media Type** Continuous, die-cut, notched, or black mark
- Thickness** 0.0023" (.058mm) to .010" (.25mm)

RIBBON SPECIFICATIONS

Ribbon is recommended to be at least as wide as media.

- Width** 0.94" (24mm) to 4.33" (110mm)
- Core Size** 1.0" (25.4mm) I.D.
- Roll Diameter** 3.2" (81.3mm) O.D.

FONTS/GRAPHICS/SYMBOLOGIES

CHARACTER FONTS/SETS

- CHR Fonts** Standard: 7 bitmapped, 1 scalable (CG Triumvirate™ Bold Condensed)
- CHR Sets** IBM® Code Page 850 multilingual character sets

GRAPHIC FEATURES

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—including boxes and lines

BAR CODE SYMBOLOGIES

- One-Dimensional**
Code 11, Code 39, Code 93, Code 128, ISBT 128, UPC-A, UPC-E, EAN-8, EAN-13, Postnet, EAN and UPC with 2 or 5 digit supplements, Interleaved 2 of 5, Standard 2 of 5, Industrial 2 of 5, LOGMARS, MSI, Plessey
- Two-Dimensional**
CODABLOCK, PDF-417, Code 49, MaxiCode, Datamatrix, QR Code

OPTIONAL FEATURES

OPTIONS/ACCESSORIES

- LCD front panel** (easy, menu-style set-up)
- PCMCIA connector** (supports PC cards up to 8MB)
- Value peel** (point of application)
- Expanded memory** (Flash and DRAM available)
- Cutter** (includes catch tray)
- BAR-ONE® software** (Zebra's Windows™-based label design and printing software)
- Peel/rewind combination option** (Full roll internal rewind of printed labels or liner)
- 300dpi printhead resolution** (11.8 dot/mm)
- ZebraNet™ MPS** (provides Ethernet connectivity)
- Font packs** (downloadable fonts or international character sets)

Shipping Label



This shipping label is one example of the many application labels the Z4000 can print.



Zebra Technologies Corporation
International Headquarters Office
333 Corporate Woods Parkway
Vernon Hills, IL60061-3109 U.S.A.
Phone: +1 (847) 634-6700 or (800) 423-0422
Fax: +1 (847) 913-8766

Zebra Technologies Europe Limited
European Headquarters Office
Zebra House
The Valley Centre, Gordon Road
High Wycombe
Buckinghamshire HP13 6EQ, UK
Phone: +44 (0) 1494 472872
Fax: +44 (0) 1494 450103

Zebra Technologies Europe GmbH
Regional Sales Office—Germany
Birkenwaldstr. 38
63179 Obertshausen
Germany
Phone: +49 (0) 6104 959135
Fax: +49 (0) 6104 959111

Zebra Technologies Corporation
Regional Sales Office—Asia/Pacific
301 Geylang Road #04-05
Geylang Centre, Singapore 389344
Phone: +65-842-0322
Fax: +65-842-0366

Zebra Technologies Corporation
Regional Sales Office—Latin America
4300 N. University Dr., Suite C-200
Ft. Lauderdale, FL33351 U.S.A.
Phone: +1 (954) 747-5090
Fax: +1 (954) 747-3655

Zebra Technologies Corporation
Regional Sales Office—Japan
Level 11, Park West Building
6-12-1 Nishi-Shinjuku
Tokyo 160-0023, Japan
Phone: +81 5325 3145
Fax: +81 5325 3146

*Specifications listed are for base model printers with standard features only unless otherwise noted. Ask your Zebra representative for detailed specs for the printer recommended for your application.

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